



Notification of Intent to Extend an Existing Degree Program

Degree: Bachelor of Science in Mechanical Engineering

Delivery Mechanism: On-site; WHETS **CIP Code:** 14.901

Location: WSU Vancouver

Implementation Date: Fall 2004

Statement of Need: Mechanical Engineering is a well-established and acknowledged degree, and mechanical engineers are employed by virtually every industry in southwest Washington. Hence, there is demand and a breadth of employment opportunities for graduates. As part of their closer partnerships, and the recent new state funding, Clark College and Lower Columbia College are mandated to deliver 168 combined FTE (mechanical engineering, computer science and science) to the upper division programs at WSU Vancouver by 2005. They will be mounting a targeted recruitment effort and hence it is anticipated that there will be a significant increase in the number of students in this seeking engineering degrees. As indicated by the transfer instructors at those colleges, about 25% of all pre-engineering transfer students in their programs are targeting mechanical engineering. Over the past six years, almost all graduates of the existing Manufacturing Engineering program found employment within the region. In the last two years, four of our graduates were admitted to graduate programs at Stanford University, Georgia Tech and Portland State University with full tuition waiver and assistantship support. We expect that the broader mechanical engineering program will have an even higher level of success in serving the needs of the region and the state.

Source of Funding: High Demand Enrollment Funding

Enrollment Targets:		Year 1	Year 2	Year 3	Year 6
	Headcount	15	25	40	80
	FTE	8	17	26	56

Internal Approval: Extending the BS Mechanical Engineering degree program to WSU Vancouver was approved by the Faculty Senate on April 15, 2004.